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ABSTRACT

The invention relates to an expansion chuck comprising a base, a thin-walled expansion sleeve that is disposed in a final axial zone of the base and forms a central seat for a component that is to be clamped, and a clamping ring which surrounds the expansion sleeve so as to form an intermediate annular pressure chamber and is 10 screwed to the base. Said pressure chamber is filled with a hydraulic means while the expansion sleeve can be elastically deformed for fixing a component within the seat by axially displacing the clamping ring, said clamping ring being twisted in relation to the base such that the volume of the pressure chamber decreases. The inventive expansion chuck is characterized in that the pressure chamber is filled with a hydraulic 15 means while a sliding ring element is placed between the axial pressure surface of the clamping ring in order to transmit an axial con clamping ring to the solid body.